

# **MODEL SB-12 BELT SANDER & DISC GRINDER**

6"X48" Sanding belt  
and 12" disc grinder

For Your Own Safety Read Instruction  
Manual Before Operating Sander

1. Wear eye protection.
2. Support workpiece with backstop or worktable.
3. Maintain  $\frac{1}{16}$  inch maximum clearance between table and sanding belt or disc.

# SAFETY RULES FOR POWER TOOLS

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1. KEEP GUARDS IN PLACE and in working order.
2. REMOVE ADJUSTING KEYS AND WRENCHES. Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
3. KEEP WORK AREA CLEAN. Cluttered areas and benches invite accidents.
4. DON'T USE IN DANGEROUS ENVIRONMENT. Don't use power tools in damp or wet locations, or expose them to rain. Keep work area well lighted.
5. KEEP CHILDREN AWAY. All visitors should be kept safe distance from work area.
6. MAKE WORKSHOP KID PROOF with padlocks, master switches, or by removing starter keys.
7. DON'T FORCE TOOL. It will do the job better and safer at the rate for which it was designed.
8. USE RIGHT TOOL. Don't force tool or attachment to do a job for which it was not designed.
9. WEAR PROPER APPAREL. Wear no loose clothing, gloves, neckties, rings, bracelets, or other jewelry which may get caught in moving parts. Nonslip foot- wear is recommended. Wear protective hair covering to contain long hair.
10. ALWAYS USE SAFETY GLASSES. Also use face or dust mask if cutting operation is dusty. Everyday eyeglasses only have impact resistant lenses, they are NOT safety glasses.
11. SECURE WORK. Use clamps or a vise to hold work when practical. It's safer than using your hand and it frees both hands to operate tool.
12. DON'T OVERREACH. Keep proper footing and balance at all times.
13. MAINTAIN TOOLS WITH CARE. Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
14. DISCONNECT TOOLS before servicing; when changing accessories, such as blades, bits, cutters, and the like.
15. REDUCE THE RISK OF UNINTENTIONAL STARTING. Make sure switch is in OFF position before plugging in.
16. USE RECOMMENDED ACCESSORIES. Consult the owner's manual for recommended accessories. The use of improper accessories may cause risk of injury to persons.
17. NEVER STAND ON TOOL. Serious injury could occur if the tool is tipped or if the cutting tool is unintentionally contacted.
18. CHECK DAMAGED PARTS. Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function - check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced.
19. DIRECTION OF FEED. Feed work into a blade or cutter against the direction of rotation of the blade or cutter only.
20. NEVER LEAVE TOOL RUNNING UNATTENDED. TURN POWER OFF. Don't leave tool until it comes to a complete stop.

## Grounding Instructions

In the event of a malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This tool is equipped with an electric cord having an equipmentgrounding conductor and a grounding plug. The plug must be plugged into a matching outlet that is properly installed and grounded in accordance with all local codes and ordinances.

Do not modify the plug provided — if it will not fit the outlet, have the proper outlet installed by a qualified electrician.

Improper connection of the equipmentgrounding conductor can result in a risk of electric shock. The conductor with insulation having an outer surface that is green with or without yellow stripes is the equipment grounding conductor. If repair or replacement of the electric cord or plug is necessary, do not connect the equipmentgrounding conductor to a live terminal.

Check with a qualified electrician or service personnel if the grounding instructions are not completely understood, or if in doubt as to whether the tool is properly grounded.

Use only 3-wire extension cords that have 3-prong grounding plugs and 3-pole receptacles that accept the tool's plug.

Repair or replace damage or worn cord immediately.

Grounded, cord-connected tools intended for use on a supply circuit having a nominal rating less than 150 volts:

This tool is intended for use on a circuit that has an outlet that looks like the one illustrated in Sketch A in Figure 1. The tool has a grounding plug that looks like the plug illustrated in Sketch A in Figure 1. A temporary adapter, which looks like the adapter illustrated in Sketches B and C, may be used to connect this plug to a 2-pole receptacle as shown in Sketch B if a properly grounded outlet is not available. The temporary adapter should be used only until a properly grounded outlet can be installed by a qualified electrician. The green-colored rigid ear, lug, and the like, extending from the adapter must be connected to a permanent ground such as a properly grounded outlet box.

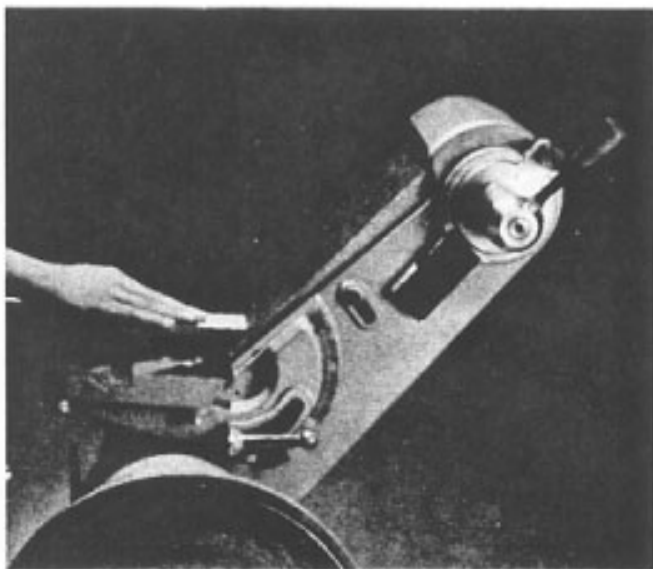
Grounded, cord-connected tools intended for use on a supply circuit having a nominal rating between 150—250 volts, inclusive:

This tool is intended for use on a circuit that has an outlet that looks like the one illustrated in Sketch D in Figure 1. The tool has a grounding plug that looks like the plug illustrated in Sketch D in Figure 1. Make sure the tool is connected to an outlet having the same configuration as the plug. No adapter is available or should be used with this tool. If the tool must be reconnected for use on a different type of electric circuit, the reconnection should be made by qualified service personnel; and after reconnection, the tool should comply with all local codes and ordinances.

FIGURE  
GROUNDING METHODS

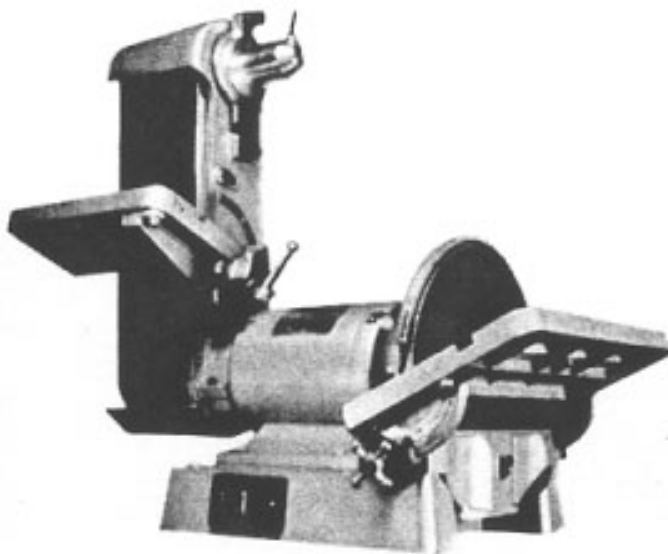


## BELT OPERATES AT ANY ANGLE



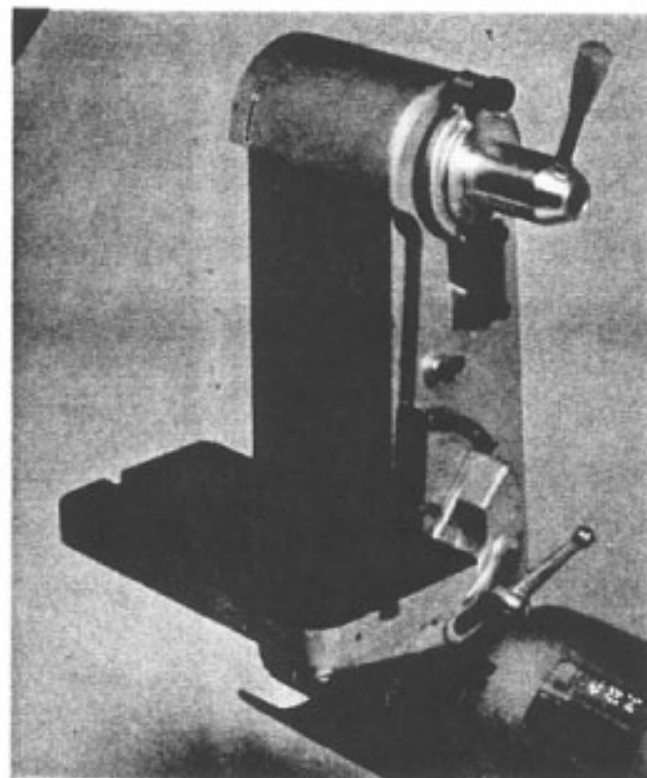
You can operate the belt vertically, horizontally or at any degree in between. Note that work table can remain in level position, providing excellent work support, also storage area for work to be done.

## TWO HUSKY TABLES



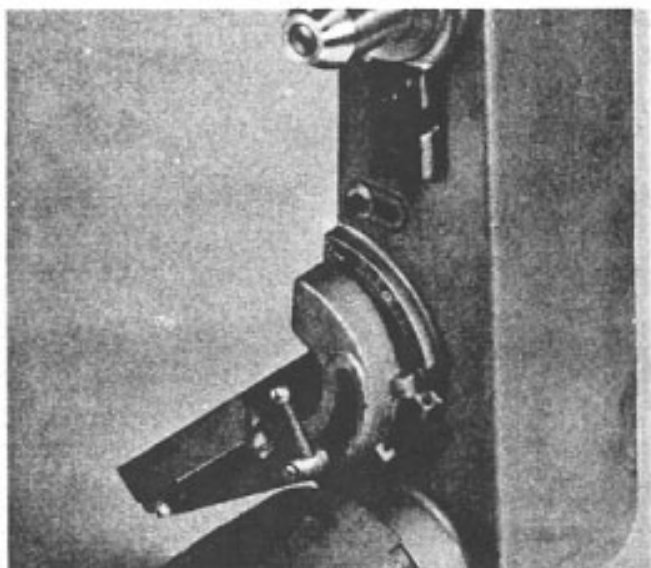
With this Combination Finishing Machine, you get two scientifically ribbed tables (not one). Unlike some machines, you don't have to waste valuable production time removing the table when you move from one machine to the other. Two widely spaced trunnions firmly support the Disc Sander table while a single massive trunnion provides ample rigidity for the Belt Sander table.

## NEW BELT TRACKING FEATURE



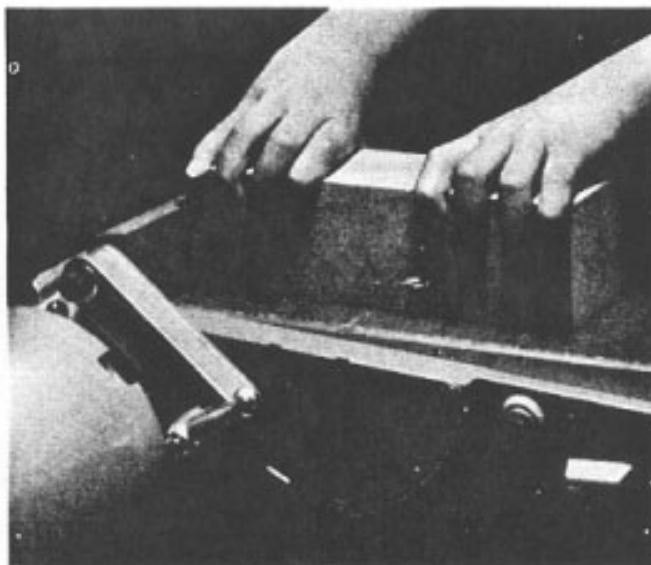
Knurled knob has fine thread adjustment for easy tracking of belt. Star wheel locks tracking adjustment firmly in place.

### MASSIVE BELT SANDER TABLE TRUNNION



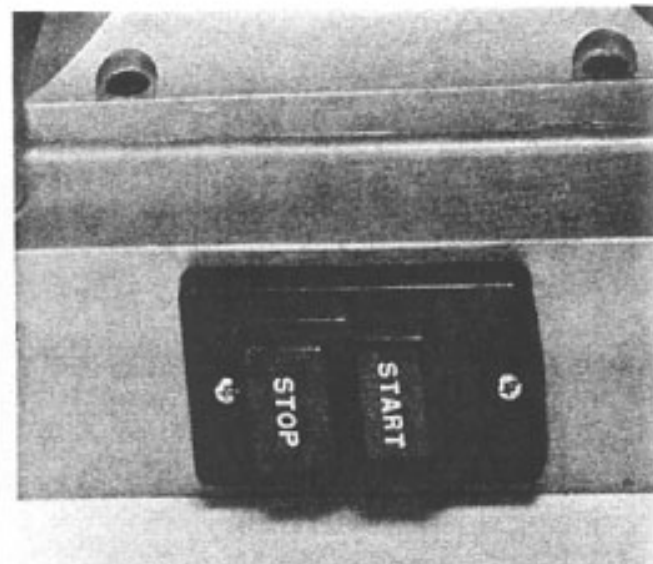
Rigidly supports table for accurate work. Swinging Stop Link and adjustable screws provide positive settings at 90° and 45° for repetitive work. Table also may be tilted 20° in. Easy-to-read tilt scale and adjustable pointer speed table settings.

### HANDY BACK STOP



An excellent accessory for finishing flat work because it prevents stock from being carried along with the belt.

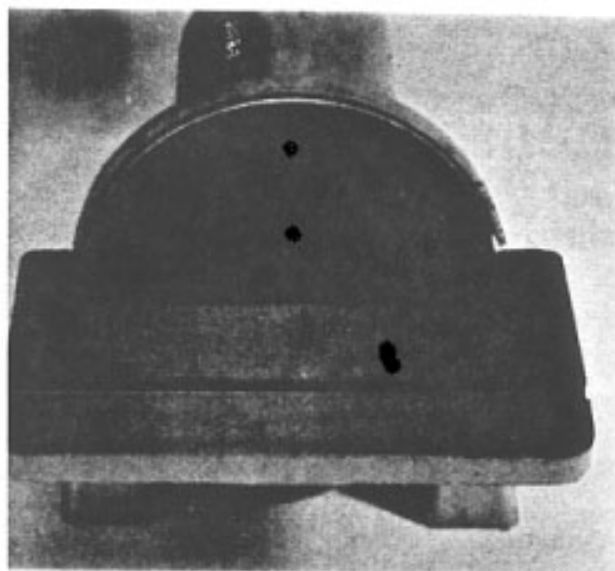
### SAFETY CONTROL STATION



Shrouded green "start" button prevents accidental starts while protruding red "stop" button is extra large for quick, emergency stops. Switch cover and buttons are made of non-conductive material for added safety.

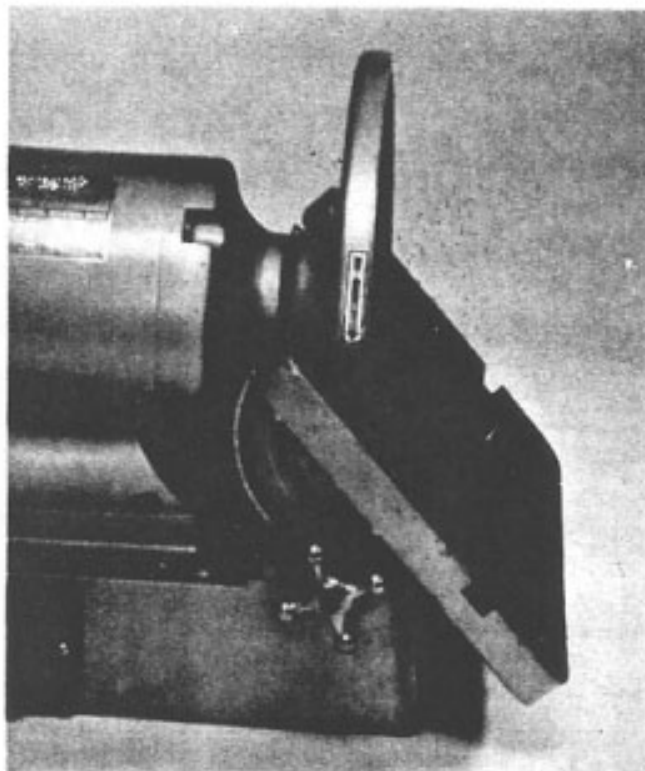


### BIG 9¾ x 16¾" TABLE



Furnishes ample work support for finishing core prints of large patterns. Fully machined, normalized disc runs vibration free for accurate finishing.

### HANDY TILT SCALE; POSITIVE DISC SANDER TABLE LOCKS

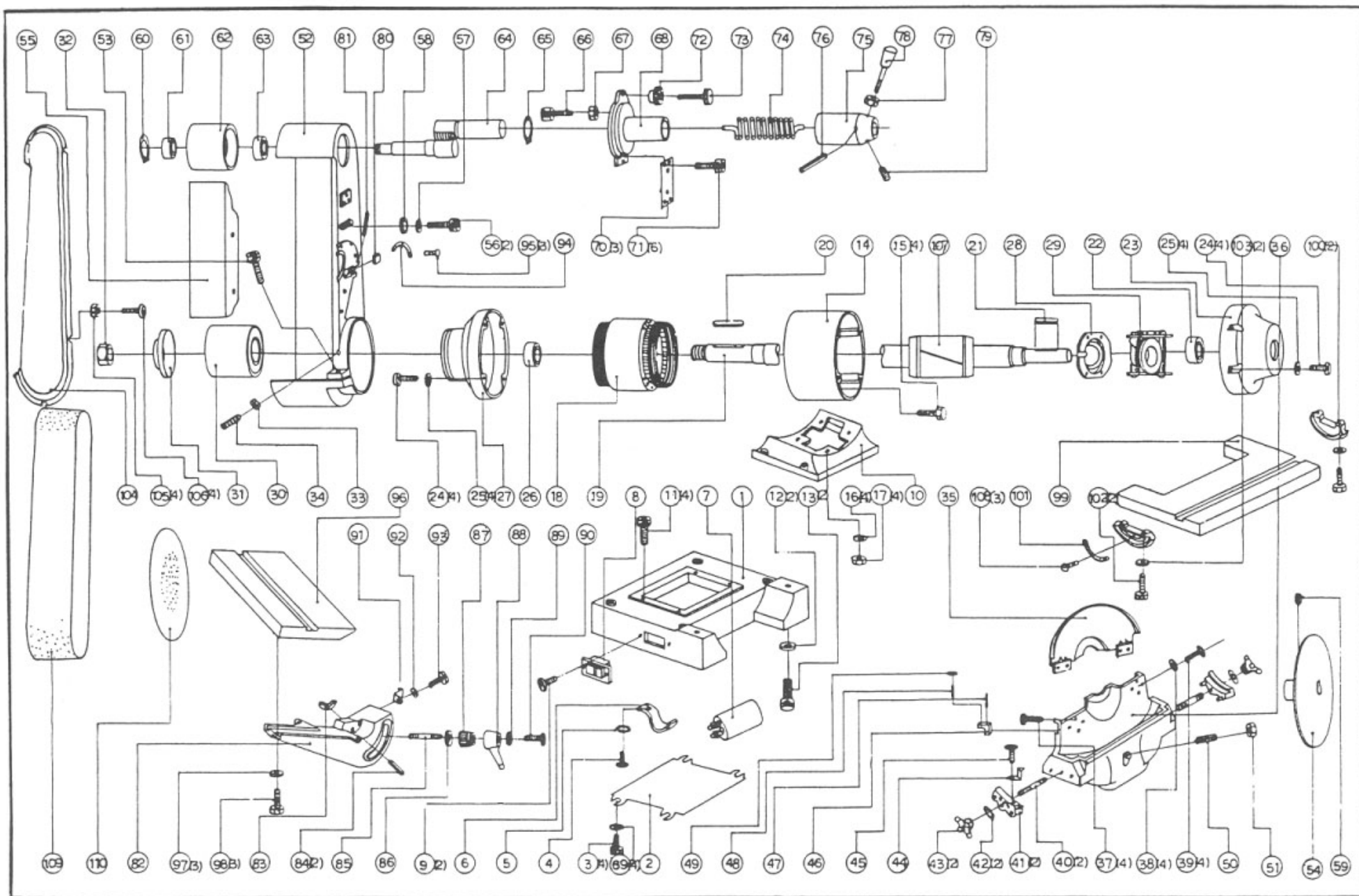


A large, conveniently located tilt scale shows exact degree of tilt desired from 45° out to 20° in. Positive grip star wheels on either side of the table lock it securely in position.

### MITER GAGE



For straight and angle finishing. Has 3/8 x 3/4 x 18" guide bar and pivoting work support body with pointer and calibrations reading through 120° swing. Adjustable, positive stops at 90° and 45° positions are quickly selected by means of a new, fast operating stop block. Body slotted for quick mounting of auxiliary face plate.





No.	Part Name	QTY	No.	Part Name	QTY	No.	Part Name	QTY
1	Base	1	38	Set washer	4	75	Loosen-tighten adjusted cover	1
2	Base plate	1	39	Set screw	4	76	Insert pin	1
3	Set screw	4	40	Bolt	2	77	Knob nut	1
4	Cover screw	1	41	Sliding rail	2	78	Loosen-tighten knob	1
5	Cover washer	1	42	Washer	2	79	Set screw	1
6	Lock cover	1	43	Star knob	2	80	Block	1
7	Condenser	1	44	Degree indicator	1	81	Spring pin	1
8	Switch	1	45	Set screw	1	82	Trunnion	1
9	Switch set screw	2	46	Block	1	83	Slide	1
10	Stand	1	47	Spring pin	1	84	Spring pin	2
11	Set screw	4	48	Set screw	1	85	Bolt	1
12	Base washer (inside)	2	49	Set nut	1	86	Washer	1
13	Base screw (inside)	2	50	Screw (base)	1	87	Toothed nut	1
14	Stator housing	1	51	Nut (base)	1	88	Lock handle	1
15	Set screw	4	52	Bracket	1	89	Washer	1
16	Set washer	4	53	Set screw	1	90	Set screw	1
17	Set nut	4	54	Disc	1	91	Degree indicator	1
18	Stator	1	55	Belt guard	1	92	Washer	1
19	Shaft	1	56	Set screw	2	93	Set screw	1
20	Shaft key (long)	1	57	Washer (small)	1	94	Index plate	1
21	Shaft key (short)	1	58	Washer (large)	1	95	Index rivet	3
22	Ball bearing (front)	1	59	Set screw	1	96	Table	1
23	Casting cover (R. H.)	1	60	Button ring	1	97	Set washer	3
24	Set screw	4	61	Ball bearing (behind)	1	98	Set screw	3
25	Set washer	4	62	Under wheel	1	99	Disc table	1
26	Ball bearing (behind)	1	63	Ball bearing (front)	1	100	Degree slide	2
27	Casting cover (L. H.)	1	64	Shaft	1	101	Index plate	1
28	Switch sheet centrifugal starting	1	65	Button ring	1	102	Set screw	4
29	Centrifugal starting switch	1	66	Set screw	1	103	Washer	4
30	Lower wheel	1	67	Set nut	1	104	Cover	1
31	Washer	1	68	Cover	1	105	Nut	4
32	Set Nut	1	69	Set washer	4	106	Screw	4
33	Degree set nut	1	70	Pallet	1	107	Rotor	1
34	Degree set screw	1	71	Set screw	6	108	Rivet	3
35	Protective cover	1	72	Equal nut	1	109	Belt	1
36	Base	1	73	Equal screw	1	110	Sanding paper	1
37	Screw	4	74	Spring	1	111	Vent (not shown)	1